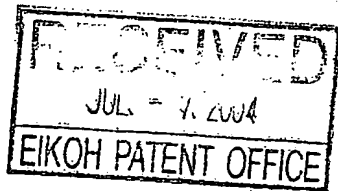


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

15 FEB 2005



(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P04467600	<div style="display: flex; justify-content: space-between;"> <div>FOR FURTHER ACTION</div> <div>See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)</div> </div>	
International application No. PCT/JP 03/10359	International filing date (day/month/year) 14.08.2003	Priority date (day/month/year) 15.08.2002
International Patent Classification (IPC) or national classification and IPC Int.Cl. ⁷ G02B 1/11, B32B 27/30		
Applicant FUJI PHOTO FILM CO., LTD.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 24.12.03	Date of completion of this report 21.06.2004	
Name and mailing address of the IPEA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer ISAMU WATANABE	2V 3012
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I. Basis of the report**1. With regard to the elements of the international application:***

- ☒ the international application as originally filed
- ☐ the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the claims:
Nos. _____, as originally filed
Nos. _____, as amended (together with any statement) under Article 19
Nos. _____, filed with the demand
Nos. _____, filed with the letter of _____
- ☐ the drawings:
sheets/figs _____, as originally filed
sheets/figs _____, filed with the demand
sheets/figs _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1 - 14</u>	YES
	Claims	<u>None</u>	NO
Inventive step (IS)	Claims	<u>7, 8</u>	YES
	Claims	<u>1 - 6, 9 - 14</u>	NO
Industrial applicability (IA)	Claims	<u>1 - 14</u>	YES
	Claims	<u>None</u>	NO

2. Citations and explanations (Rule 70.7)

The following documents have been considered for the purpose of this report:

D1=US 2002/0085284 A1(Kazuhiro Nakamura),2002.07.04

D2=JP 2001-281407 A(FUJI PHOTO FILM CO.,LTD),2001.10.10

D3=JP 2001-100003 A(FUJI PHOTO FILM CO.,LTD),2001.04.13

D4=EP 1089093 A2(FUJI PHOTO FILM CO.,LTD),2001.04.04

Claim 1-3,6,10

The subject matters of claim 1-3,6,10 do not appear to involve inventive step in view of the D1 and D2 respectively. In the D1, an antireflection film comprising a transparent support and hard coat layer and a low refractive index layer wherein a fluorine-containing polymer and silica fine particle, is described. In the D2, the low refractive index layer wherein a fluorine-containing polymer and silica fine particle having an average particle size 30 to 100% of the thickness of the low refractive index layer, is described. Technical features a low refractive index layer and a low refractive index layer, disclosed in D1 and D2 respectively, have the same function and are related to similar technical fields. Therefore, the skilled person in the art would easily conceive the idea of employing the feature a low refractive index layer wherein a fluorine-containing polymer and silica fine particle in D2 to substitute the feature a low refractive index layer wherein a fluorine-containing polymer and silica fine particle disclosed in D1.

Claim 4

The subject matter of claim 4 does not appear to involve an inventive step in view of the D1 and D2 respectively. The low refractive index layer wherein a fluorine-containing polymer and silica fine particle having an average particle size less than 25% of the thickness of the low refractive index layer, is described in the D1 and D2 respectively.

Claim 5

The subject matter of claim 5 does not appear to involve an inventive step in view of the D1-D3 respectively. In the D3, the hollow silica fine particle in the low refractive index layer, is described.

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V

Claim 9

The subject matter of claim 9 does not appear to involve an inventive step in view of the D1-D4 respectively. In the D4, a high refractive index layer between the transparent support and the low refractive index layer, mainly comprising titanium dioxide and an inorganic fine particle containing one element as aluminum, is described.

Claim 11-14

The subject matter of claim 11-14 do not appear to involve an inventive step in view of the D1-D4 respectively. A polarizing plate described in claim 11 and 12, an image display device described in claim 13, a liquid crystal display device described in claim 14, are described in the D1-D4.

Claim 7,8

The subject matter of claim 7 and 8 are considered to involve an inventive step over the documents cited in the international search report.